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06601639 **Image available**

ABS REACTION GENERATOR FOR DRIVING SIMULATOR

PUB. NO.: 2000-187436 A]

PUBLISHED: July 04, 2000 (20000704)

INVENTOR(s): KURITA GENTA

APPLICANT(s): MITSUBISHI PRECISION CO LTD

APPL. NO.: 10-363699 [JP 98363699]

FILED: December 22, 1998 (19981222)

ABSTRACT

PROBLEM TO BE SOLVED: To easily add the reaction of the kick back of a brake pedal at a low cost by intermittently sending compressed air to an air cylinder to vibrate a piston rod, thereby enabling the foot pressing on the brake pedal to experience the sensation of the intermittent impact force.

SOLUTION: When a user presses on the brake pedal 3, a brake arm 2 rotates around a revolving shaft 4. Accompanying this rotation, the piston rod 9 coupled by a coupling member 6 to the brake arm 2 is pushed into the air cylinder 10. When the piston rod 9 is moved while the brake arm 2 rotates, the air cylinder 10 rotates around the portion to be mounted to a base 1 and smoothes the movement of the piston rod 9. When an ABS attains an operating state in this case, a valve 13 is intermittently opened and closed to intermittently send the compressed air to the air cylinder 10 which in turn vibrates the piston rod 9, thereby enabling the foot pressing on the brake pedal 3 to experience the sensation of the intermittent impact force.

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06aug01 10:25:53 User015070 Session D6644.3

Sub account: YAMAH6.007A-CSP

\$17.41 Estimated total session cost 1.150 DialUnits

Status: Signed Off. (7 minutes)